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| Notice of Allowability | Application No. | Applicant(s) |
| | 10/614,850 | JONES ET AL.  |
| | Examiner | Art Unit |

John P. Fitzgerald
2856

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 07 February 2005.
2. The allowed claim(s) is/are 2-10 and 12-22.
3. The drawings filed on _____ are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date _____.
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

DETAILED ACTION

Response to Amendment

1. In view of Applicant's After Final Amendment, filed on 07 February 2005, previous rejections of the instant claims are hereby withdrawn.

Allowable Subject Matter

2. Claims 2-10 and 12-22 are allowed over the Prior Art of record.

3. The following is an examiner's statement of reasons for allowance: The primary reasons for allowance of the independent claims 5, 7, 20, 21 and 22 is the inclusion of the limitations of a method for measuring the infiltration of coring fluid into a core sample taken from a formation including the method steps of providing a coring fluid containing cesium in a first concentration; generating a core sample in the presence of the coring fluid, determining the concentration of cesium present in the core sample by comparing core sample cesium concentration to the first concentration wherein the cesium concentration in the coring fluid is in a specific range or amount, the ranges/amounts being: 25ppb to 250 ppm (as in claims 5 and 20); at least 25 ppm (as in claims 7 and 21); at least 2.5 ppm (as in claim 22). The Prior Art is completely devoid of providing any type of specific ranges or amounts of cesium concentrations in the employment of measuring coring fluid infiltration into core samples, nor does the Prior Art teach or provide any specific motivations to provide specific ranges or amounts regarding the concentrations of cesium in coring fluid and its infiltration into a core sample. The closest reasonable Prior Art reference is US 4,174,629 to Striegler, which teaches a method for measuring coring fluid

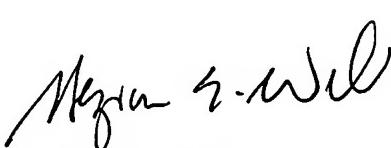
infiltration into a core sample employing specific hydrocarbons, however, does not teach specific concentrations or ranges of concentrations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Fitzgerald whose telephone number is (571) 272-2843. The examiner can normally be reached on Monday-Friday from 7:00 AM to 3:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams, can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JF
02/17/2005


HEZRON WILLIAMS
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